

Single Source Justification (Simplified Acquisition)

Section A: General Contract Information

Contracting Activity: 377 MSG/PZIB	Purchase Request/ F2KBAD6306A001 Identification Number: [REDACTED]
Project/Program Name: Laser Diode Module	Estimated Contract Cost \$0.00 (including Options):

Section B: Description of the Supplies/Services Required

Item Number: M8F2J22-793.3-200C-FC7.7, Conductively cooled fiber coupled laser diode module, 793nm 3nm, 200W CW, at 25C, 200um, 0.22NA; 6 each
Item Number: 130500484 Fiber, SMA0.5Q, 200UM, .22NA, 2 meter length with fiber pigtail termination; 6 each

Section C: Justification for Soliciting from a Single Source

IAW 13.106-1(b)(1)(i) Sole Source: DILAS Diode Laser, Inc., is the sole manufacturer, propitiatory owner, and sole distributor of Laser Diode Module. DIALAS is the only company that manufacturers and sells the desired power in a 200 micron fiber core for the 80W diode and no other vendor can provide it. Additionally, this company does not allow any small business resellers to buy their products and resell them.

Section D: Efforts to Obtain Competition

Extensive product search was conducted to try to find vendors who offer high power fiber coupled (200 micron) 793 nm diodes. For example, Lumics Luocean provides 140W of power but in a 600 micron core. QPC Lasers offers a 100W diode in a 200 micron core, and BWT Beijin offers a 80W diode in a 200 micron diode. Unfortunately, no other vendors were found that offered the desired power in a 200 micron fiber core.

Section E: Steps to Preclude Future Single Source Awards

Extensive product searches will be conducted again prior to future purchases. Over time, maybe QPC Lasers or Lumics will advance their 793 nm diodes enabling us to purchase their lasers as well. In addition, continued laser research into 793 nm diodes such as being done at AFRL, will help various diode manufacturers pursue development of high power 793 nm laser diodes.

Section F: Contracting Officer's Determination

I have determined, in accordance with FAR 13.106-1(b)(1), that the circumstances of this contract action deem only a single source is reasonably available.

Date 11-Jan-2017	Typed Name and Rank/Grade of Contracting Officer [REDACTED]	Signature of Contracting Officer [REDACTED]
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